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Dated: 6/24/04

Signature: *Sandy Reisman*

(Sandy Reisman)

Docket No.: 430558001US1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Oren Etzioni et al.

Application No.: 10/811,077

Confirmation No.: 8067

Filed: March 26, 2004

Art Unit: 3629

For: PERFORMING PREDICTIVE PRICING  
BASED ON HISTORICAL DATA

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

An abstract translation of each non-English language reference is enclosed.

A copy of only those references listed below is attached:

For. Doc No.	Ctry	Patentee/Applicant	Publication Date
2131012	JP	MITSUBISHI ELECTRIC	May 18, 1990
5335656	JP	SHIBATA SUNAO	December 17, 1993
2002092249	JP	FUJITSU LTD.	March 29, 2002
2002259779	JP	EASTEM:KK	September 13, 2002
2002358472	JP	SYSTEM LOCATION	December 13, 2002
WO03052550	PCT	DELTA AIR LINES, INC.	June 26, 2003
WO03081385	PCT	PAVILION	October 2, 2003

Other Documents
COHEN, William W., "Fast Effective Rule Induction," Proceedings of the
ETZIONI, Oren, et al., "To Buy or Not to Buy: Mining Airfare Data to
ITA SOFTWARE, "Corporate Background," accessed 02/09/2004, 1
MUEHLBAUER, Jen, "Orbitz Reaches New Heights, Better technology
ROBINSON, Sara, "Computer Scientists Find Unexpected Depths In
SUTTON, Richard S., et al., "Reinforcement Learning: An Introduction,"
TING, Kai Ming et al., "Issues in Stacked Generalization," Journal of

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

Application No.: 10/811,077

Docket No.: 430558001US1

application by this firm) to our Deposit Account No. 50-0665, under Order No. 430558001US1. A duplicate copy of this paper is enclosed.

Respectfully submitted,

By 

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Substitute for form 1449A/B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/811,077
Filing Date	March 26, 2004
First Named Inventor	Oren Etzioni
Confirmation Number	8067
Art Unit	3629
Examiner Name	Not Yet Assigned
Attorney Docket Number	430558001US1

Sheet	1	of	2
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**U.S. PATENT DOCUMENTS**

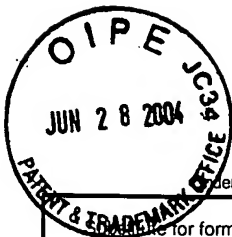
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-20020032666	03-14-2002	YUYA KAWAMURA	
		US-4,837,744	06-06-1989	ALEXIS MARQUOT	
		US-5,021,693	06-04-1991	TAKESHI SHIMA	
		US-5,255,184	10-19-1993	SCOT W. HORNICK	
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		US-6,134,534	10-17-2000	JAY S. WALKER	
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		US-6,567,824	01-03-2002	BILLY FOX	
		US-6,609,098	08-19-2003	CARL G. DEMARCKEN	
		US-6,658,422	12-02-2003	MENACHEM LEVANONI	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		JP-2131012-A2	05-18-1990	MITSUBISHI ELECTRIC CORP.		
		JP-5335656-A2	12-17-1993	SHIBATA SUNAO		
		JP-2002092249-A2	03-29-2002	FUJITSU LTD.		
		JP-2002259779-A2	09-13-2002	EASTEM:KK		
		JP-2002358472-A2	12-13-2002	SYSTEM LOCATION CO., LTD.		
		WO-WO03052550-A2	06-26-2003	DELTA AIR LINES, INC.		
		WO-WO03081385-A2	10-02-2003	PAVILION TECHNOLOGIES, INC.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\*CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/811,077
				Filing Date	March 26, 2004
				First Named Inventor	Oren Etzioni
				Confirmation Number	8067
				Art Unit	3629
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	430558001US1
Sheet	2	of	2		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
		COHEN, William W., "Fast Effective Rule Induction," Proceedings of the 12th International Conference on Machine Learning 1995, 10 pages		
		ETZIONI, Oren, et al., "To Buy or Not to Buy: Mining Airfare Data to Minimize Ticket Purchase Price," Proceedings of the Ninth ACM SIGKDD 2003, August 24-27, 2003, Washington, D.C., 10 pages		
		ITA SOFTWARE, "Corporate Background," accessed 02/09/2004, 1 page		
		MUEHLBAUER, Jen, "Orbitz Reaches New Heights, Better technology results in a competitive advantage," CMP Media LLC, April 2002, pp. 1-5		
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		SUTTON, Richard S., et al., "Reinforcement Learning: An Introduction," MIT Press, Cambridge, MA, 1998, <a href="http://www-anw.cs.umass.edu/~rich/book/the-book.html">http://www-anw.cs.umass.edu/~rich/book/the-book.html</a> , accessed 05/05/2004, pp. 1-3		
		TING, Kai Ming et al., "Issues in Stacked Generalization," Journal of Artificial Intelligence Research 10 (1999), pp. 271-289		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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